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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/750,544

12/31/2003

Louis A. Lippincott

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EXAMINER

HASSAN, AURANGZEB

ART UNIT

PAPER NUMBER

2182

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/750,544	Applicant(s) LIPPINCOTT, LOUIS A.	
	Examiner AURANGZEB HASSAN	Art Unit 2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 February 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5,6,9,23-25,27 and 28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5,6,9,23-25,27 and 28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1 – 3, 5, 6, 9, 23 – 25, 27 and 28 are rejected under 35 U.S.C. 102(b) as being anticipated by Faroudja (US Patent Number 5,151,783).

3. As per claims 1, 9 and 23, Faroudja teaches a method, apparatus and machine-readable medium comprising: receiving video into a video display device (television system, column 3, lines 44 – 51); storing, by at least one processor (detail processor 38, figure 3a), the video into a memory, upon determining (detecting carrier modulation is the determining of the mode, column 4, lines 3 – 15) that the video display device is in a storage mode (storage mode stores into magnetic recording medium, column 3, lines 45 – 51 and shown as done by processor in column 6, lines 37 – 46), wherein the video stored into the memory is to be subsequently retrieved for display on a video display coupled to the video display device (86, figure 3b); and performing enhanced image processing on the video with the at least one processor, upon determining that the video display device is in an image processing mode (image processing by image detail processor 38, column 7, lines 22 – 32), wherein the video display device is to operate in the image processing mode, upon determining that video is not being stored into the

memory or the video stored in the memory is not being retrieved for display on a video display (video not displayed if not functioning through the memory, via modes in the decoder, 60 and 102, figure 4, which is the processing mode of no data).

4. As per claims 2 and 24, Faroudja teaches a method and machine-readable medium further comprising compressing (compression takes place at 42, figure 3a, which is before storing which occurs at path 12, figure 3b), by the at least one processor, the video prior to storing the video into the memory, upon determining that the video display device is within the storage mode.

5. As per claims 3 and 25, Faroudja teaches a method and machine-readable medium wherein compressing, by the at least one processor, the video comprises performing frame reduction on the video, by a first processor of the at least one processor (frame reduction known, column 1, lines 34 – 37, and performing in the modification of the recurrent picture frame rate, column 3, lines 52 – 63)

6. As per claims 5 and 27, Faroudja teaches a method and machine-readable medium wherein performing enhanced image processing on the video comprises performing a ghost reduction operation (ghost reduction column 5, lines 55 – 67).

7. As per claims 6 and 28, Faroudja teaches a method and machine-readable medium wherein performing enhanced image processing on the video comprises

performing a noise reduction operation (noise reduction 70, figure 3b, column 8, lines 38 – 58).

Response to Arguments

8. Applicant's arguments with respect to newly amended claims have been considered but are moot in view of the new ground(s) of rejection.

The Applicant argues newly amended claim limitations with respect to the image processing mode not being taught by Faroudja.

Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references. Faroudja clearly teaches a modification of the image processing mode determined by data being driven to the display device components as seen in the decoders 60 and 104, of figure 4 to determine the presence of video being stored in memory or retrieved. The Examiner has provided new citations from Faroudja in order to better elaborate on the newly amended claim limitations.

All of the arguments are regarding newly amended claim limitations which have been rejected under new grounds found in the cited prior art and therefore arguments are considered moot.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AURANGZEB HASSAN whose telephone number is (571)272-8625. The examiner can normally be reached on Monday - Friday 9 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on (571)272-6729. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2182

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AH

/Tariq Hafiz/
Supervisory Patent Examiner, Art Unit 2182